



Hurricane Thompson Briefing # 3

5 PM - Saturday September 3, 2022

What has changed: Hurricane and Storm Surge Watches in effect. Earlier onset of impacts. Increasing river & flash flooding risk for western New England.

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Situation Overview

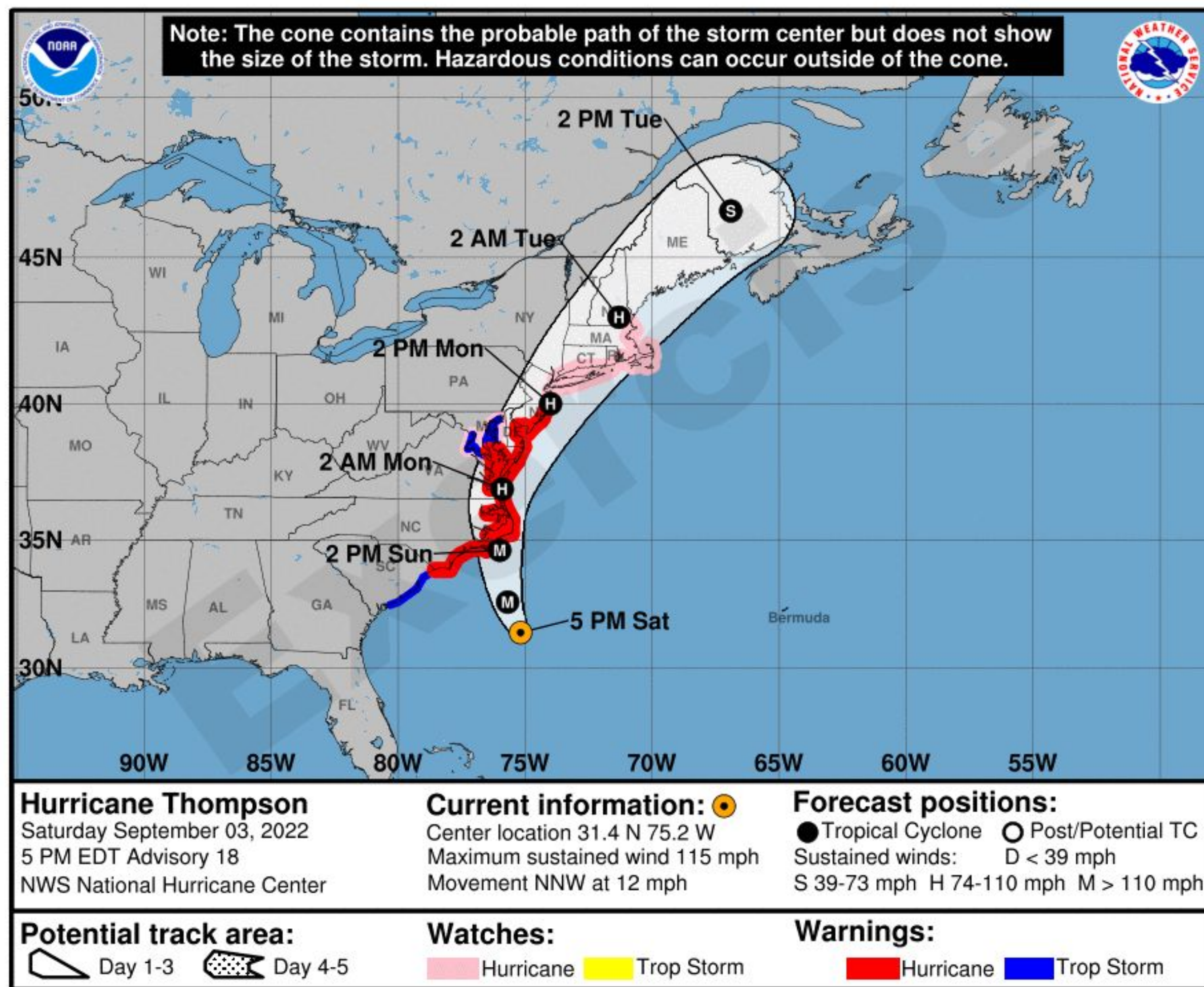
Hurricane Thompson

- Impacts from Category 3 Hurricane Thompson are becoming more likely in Southern New England.
- Flooding rains across western MA/CT & dangerous marine conditions are expected to set in on Sunday. Largest impacts are expected Monday, with storm surge flooding, strong winds, and developing or continued flooding rains.
- Thompson's center position has trended on the eastern edge of prior NHC Advisories. More significant impacts, potentially to levels rarely experienced in Southern New England before, *are possible if Thompson continues this eastward trend.*



Situation Overview

Hurricane Thompson



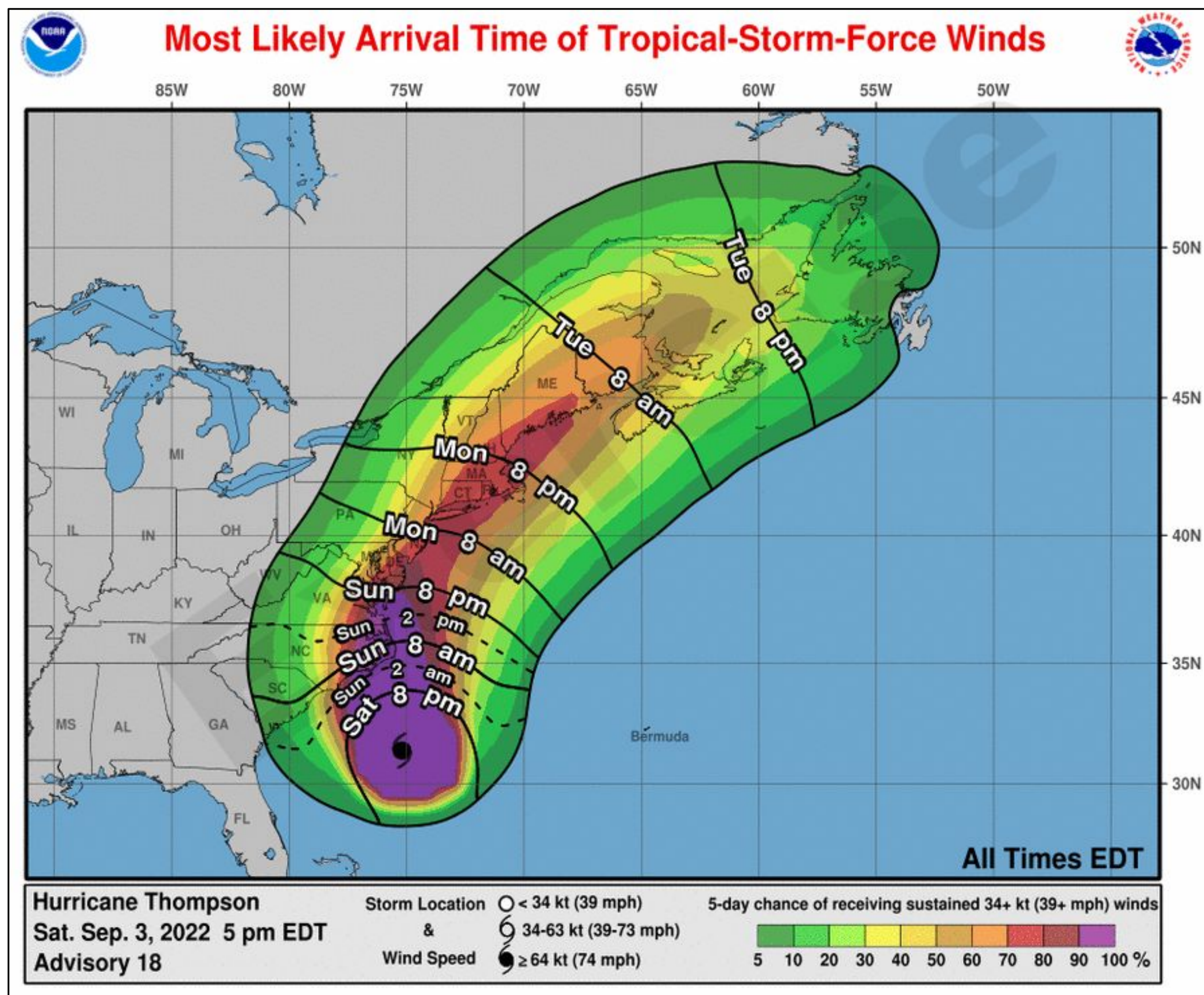
- Hurricane Thompson is forecast to make a landfall around central Long Island Monday afternoon and into CT/RI Monday night.
- Hurricane and Storm Surge Watches now in effect.

NOTE: Do not focus on the exact track.
Impacts can occur well outside the area enclosed by the cone.



Most Likely Time of Arrival

Hurricane Thompson



- The most likely onset of tropical storm conditions for CT, RI and MA is Monday afternoon/night.
- However, tropical storm conditions could develop as early as Monday morning.

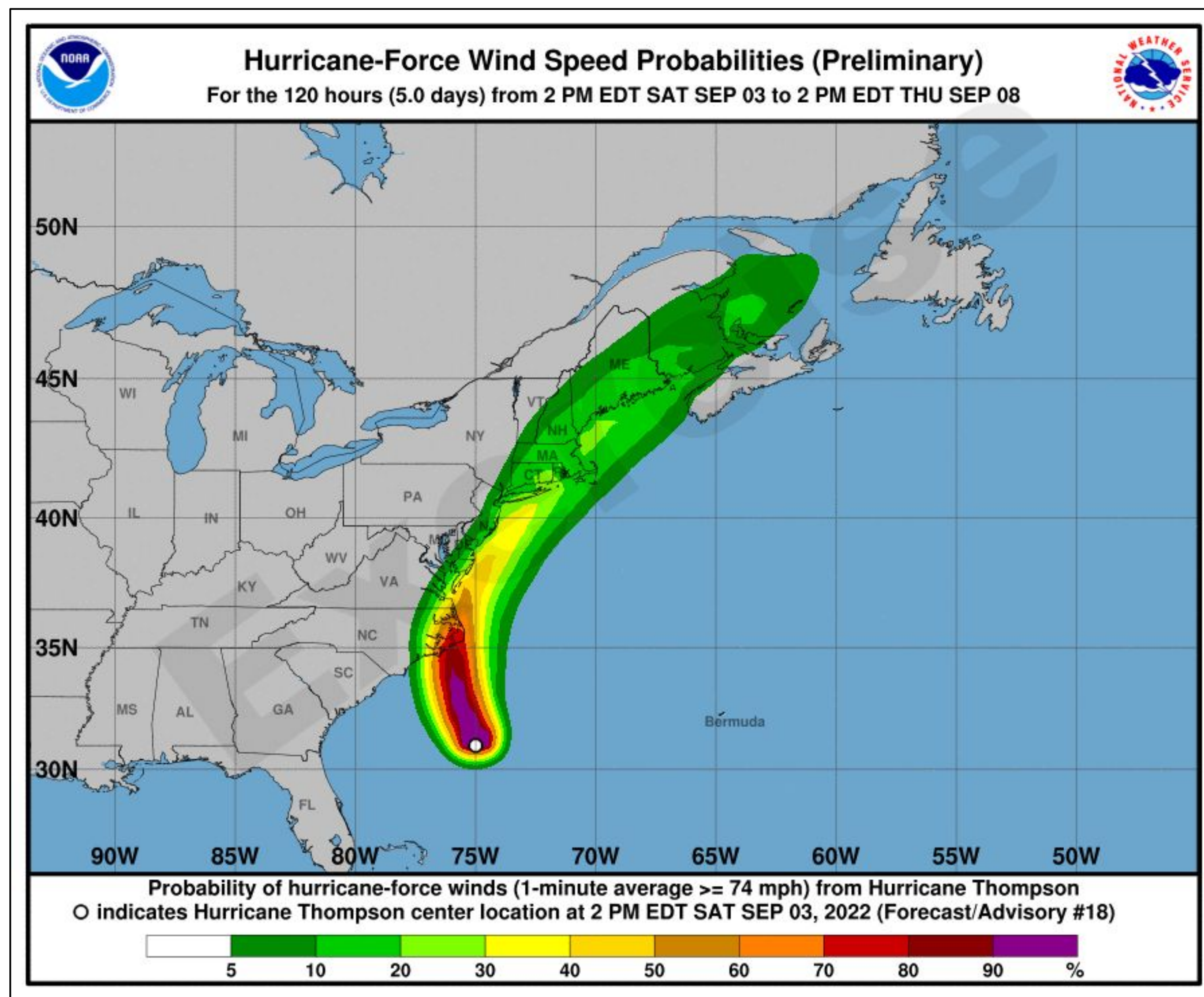
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Hurricane Wind Speed Probabilities

Hurricane Thompson



- Up to a 30% chance of hurricane force winds in CT, MA and RI.
- Hurricane force winds could begin as early as Monday afternoon/night.

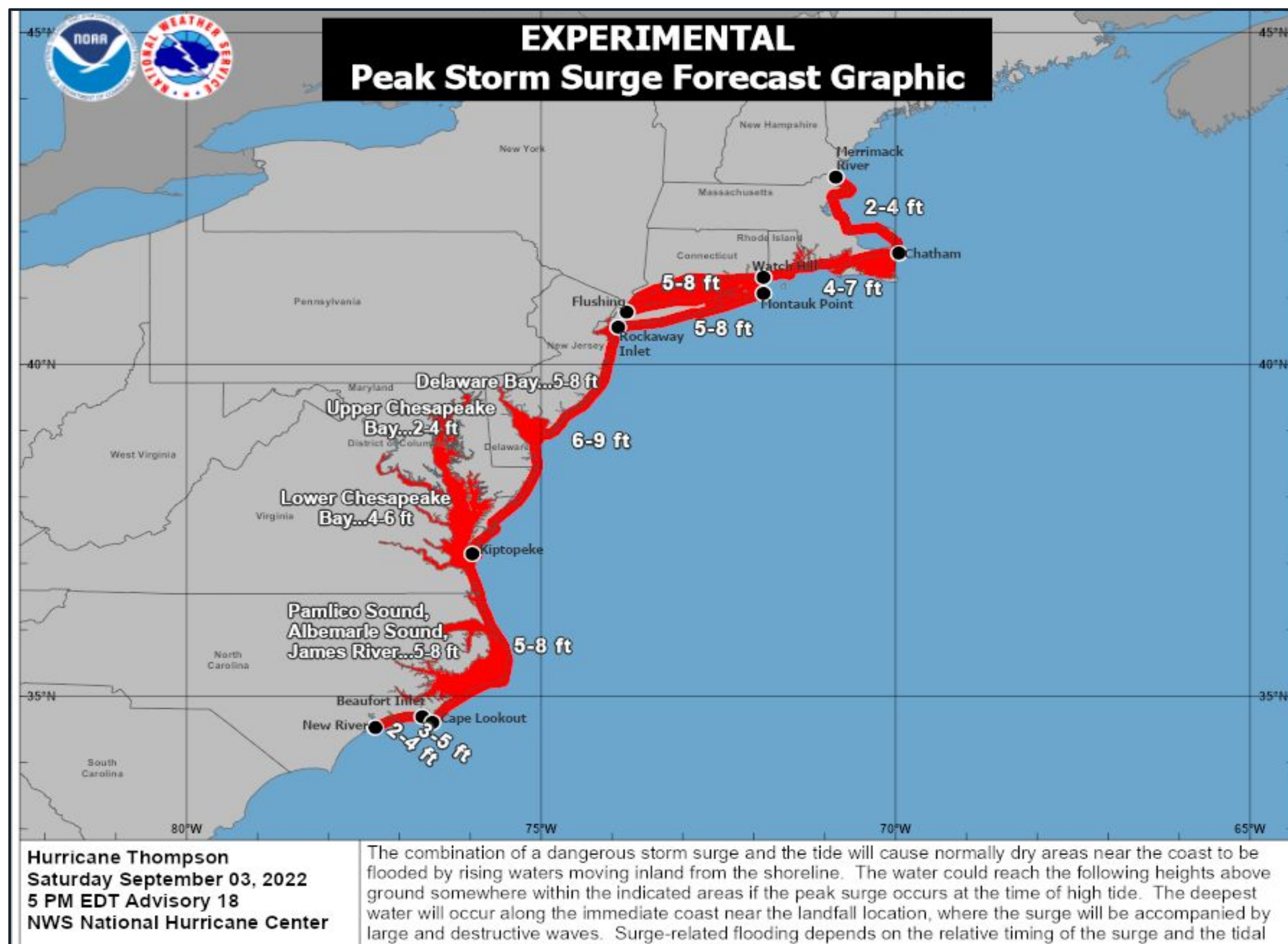
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Potential Inundation Above Ground Level

Hurricane Thompson



Note: This graphic shows the inundation that could occur in any one location **if peak storm surge occurs with high tide**. It depicts a reasonable worst case scenario.

- Potential exists for 5-8 ft of inundation in parts of coastal CT, 4-7 ft of inundation along parts of coastal RI and SE MA, and 2-4 ft of inundation along the eastern MA coast.
- High tide Monday afternoon/early night is of greatest concern:
 - CT: Around 530 PM E coast, 730 PM SW coast
 - South Coast MA & RI: Around 4 to 5 PM
 - E Coast MA: Around 7 PM

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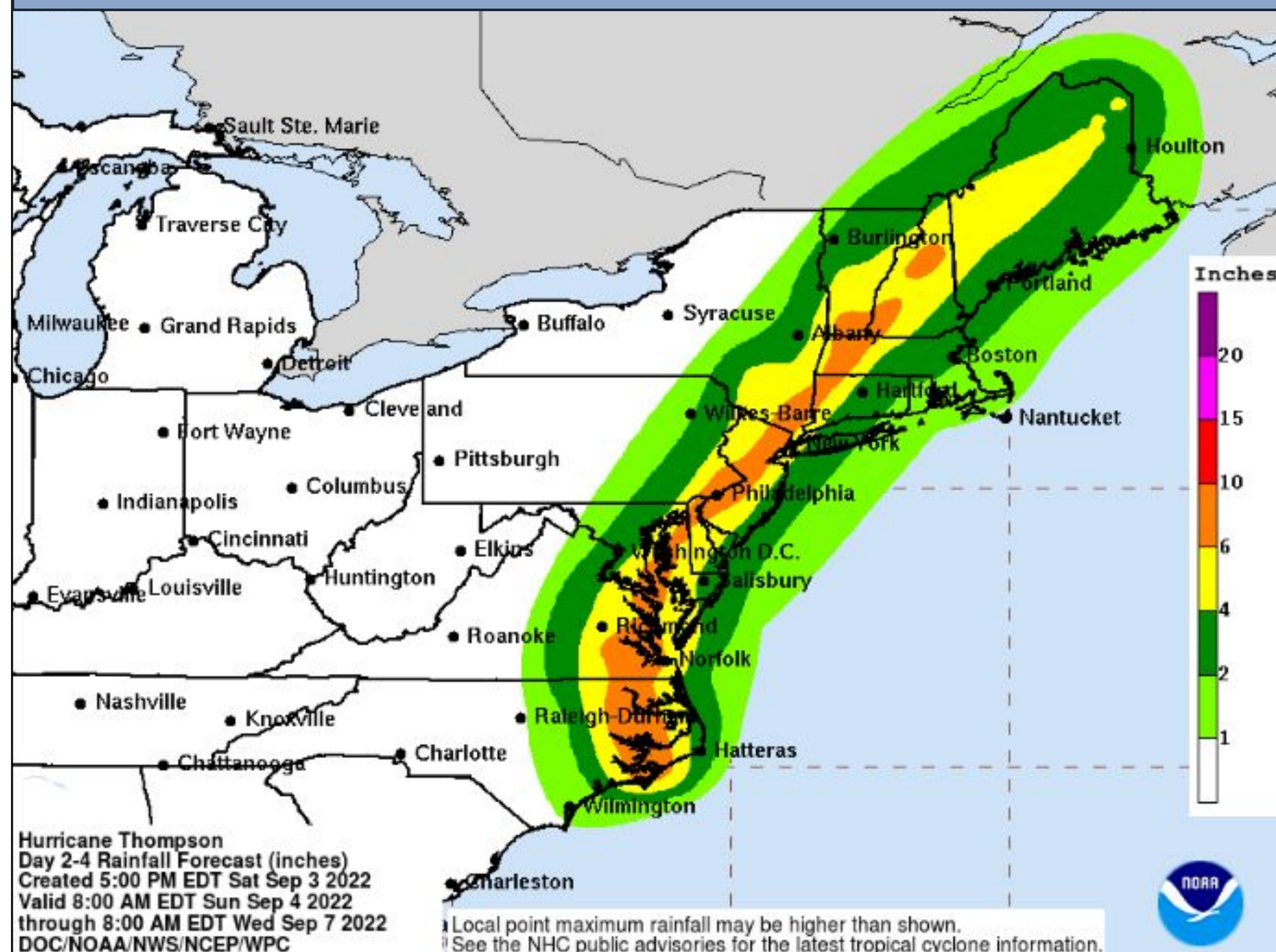
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Expected Storm Total Rainfall

Hurricane Thompson

Note: There will likely be locally higher amounts



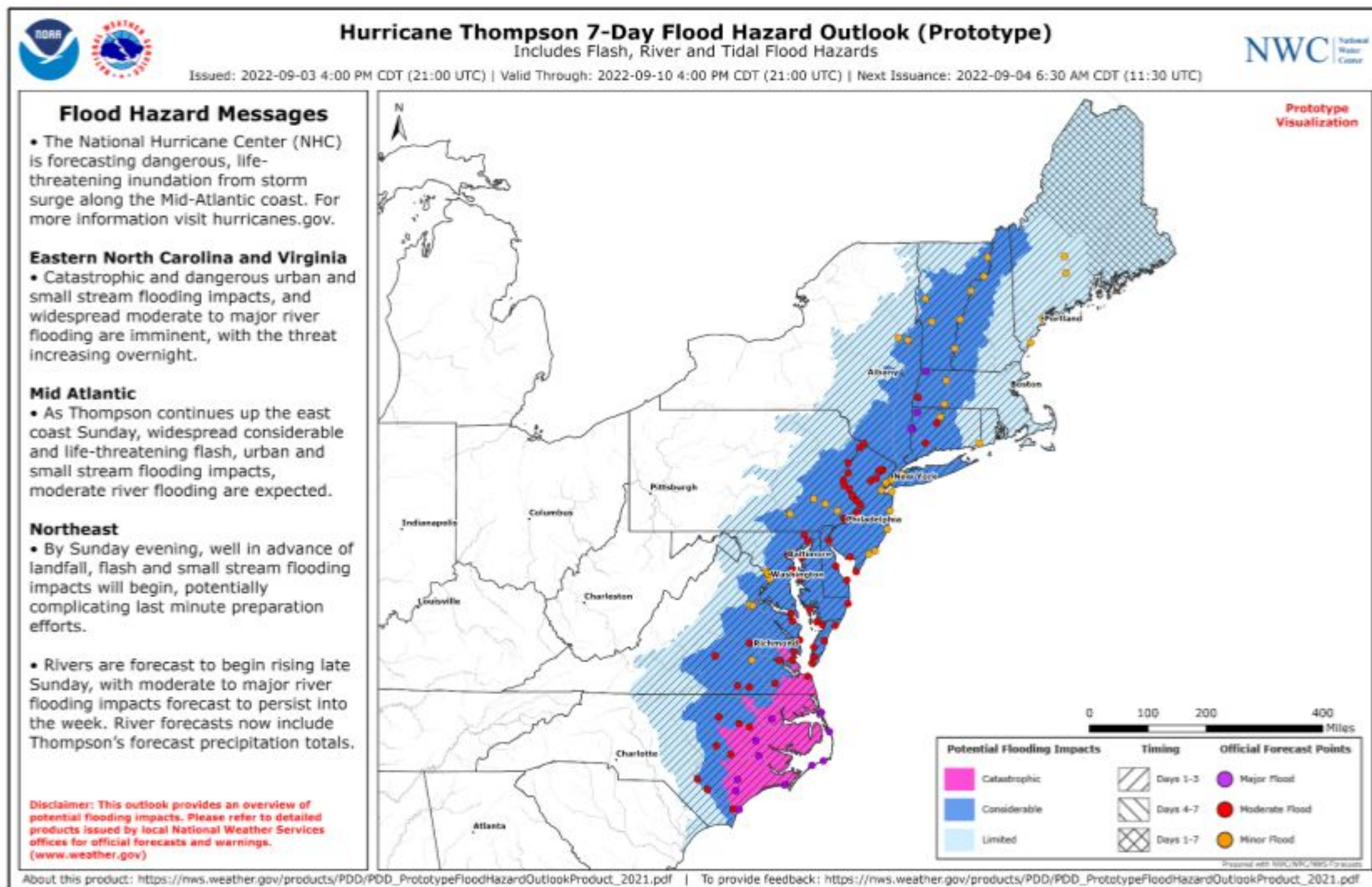
- Western CT & Western MA to see 2-4" of rain on Sunday and an additional 2-4" Monday. Two-day totals of 6-10". Locally higher amounts possible.
- Between 1" and 4" of rain (locally higher possible) across rest of Southern New England on Monday.



Flood Hazard Outlook

Hurricane Thompson

- Flooding rains on Sunday ahead of Thompson's arrival in western MA and CT may complicate last-minute preparation efforts.
- Rises on Housatonic & Connecticut River basins Sunday and Monday, cresting Tuesday.





Key Take-Aways

Hurricane Thompson

Confidence is HIGH that the event will occur
Confidence is MODERATE regarding impacts



Destructive winds capable of power outages, tree and structural damage begin Monday.



Major storm surge flooding on the southern coast, especially near the late-Monday high tide.



Impassable or damaged roads & flooded homes and businesses from river and flash flooding, especially western MA/CT Sunday and all of Southern New England Monday.



A few tornadoes possible anywhere in Southern New England Monday.



Storm to hurricane force gusts Monday, rough seas Sunday and Monday.



Key Messages

Hurricane Thompson



Key Messages for Hurricane Thompson

Advisory 18: 5:00 PM EDT Sat Sep 3, 2022



1. Hurricane conditions will begin over portions of the North Carolina coast on Sunday with tropical storm conditions starting late tonight. Hurricane-force winds are expected to spread northward along portions of the Mid-Atlantic coast within the Hurricane Warning area by Monday. Preparations to protect life and property should be rushed to completion.
2. There is a danger of life-threatening storm surge inundation Sunday along portions of the Mid-Atlantic coast within the Storm Surge Warning area. Residents should follow any advice given by local officials.
3. A Hurricane Watch and Storm Surge Watch are now in effect for portions of New York, Connecticut, Rhode Island, and Massachusetts. Hurricane conditions are possible and tropical storm conditions are likely within this area beginning Monday.
4. Thompson is likely to produce heavy rainfall from Sunday into early Tuesday from the Mid Atlantic into the Northeast, and may result in catastrophic and dangerous flooding impacts along the northern North Carolina coast into southeast Virginia beginning Sunday. By Sunday afternoon, flooding will likely develop well in advance of the arrival of Thompson's center in parts of the Northeast, potentially complicating last minute preparation efforts.



For more information go to hurricanes.gov

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